er	ISBN - 97816039	51432	Publisher -	Del	ta Education		ד
blish	Grade Eight Kit Bur	ndle					ovided
the Publisher	Type - P2	Author - Lo	wery & Delta I	∃d			ed by
by	Copyright - 2005	Edition - N/	A		Readability -	N/A	the
Provided	Course - SCIENCE				Grade(s) -	8	ubli
Pro	Teacher Edition ISBN if applicable 9781583564431, 9781583564073, 9781583564370, 9781583564318, 9781592428861				sher		

Overall Recommendation:

Recommended as Basal

Overall Strengths, Weaknesses, Comments:

These program modules provide students with an inquiry and activity based learning that is appropriate for eighth grade students. It reinforces the use of charts and graphs and requires students to analyze data, draw conclusions, and form syntheses throughout each of the modules. The assessment opportunities are appropriate for this style of learning, but do not lend themselves to a high depth of knowledge levels (DOK). In addition, the assessment is not KCCT like. Effective use of the modules will require teacher training, so that the teacher can build a foundation or platform from with he/she is going to teach the students. The program modules do not include enough factual information, as though it is an exploratory type learning tool. The literacy program within the content area is partially implemented since the modules provide teachers with great reading resources, but do not provide teachers with instructions on how to use them. Teachers will need to develop their own scheme of questions when using most of the reading resources because essential questions and critical thinking questions were not provided for some of these reading resources.

CRITERIA

This basal resource ...

A.		compasses KY Content Standards & Grade Level sectations		☐ Strong Evidence ☑ Moderate Evidence ☐ Little or No Evidence		
	☐ Text is designed to be used in an elective course outside the Program of Studies					
1) Includes the 7 Big Ideas of science to the following extent:						
	a)	Structure and Transformation of Matter	Stron	ng ⊠ Moderate ☐ Little ☐ N/A		
	b)	Motion and Forces	Stron	g Moderate Little N/A		
	c)	The Earth and the Universe	Stron	ng ☐ Moderate ☐ Little ☒ N/A		
	d)	Unity and Diversity	Stron	ng ⊠ Moderate ☐ Little ☐ N/A		

	e)	Biological Change	☐ Strong ☐ Moderate ☐ Little ☒ N/A	
	f)	Energy Transformation	Strong	
	g)	Interdependence	Strong	
2)	un	ddresses content-specific enduring addresses content-specific enduring anderstandings from the related Program of Studies andards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A	
3)		ddresses content-specific skills and concepts from e related Program of Studies standards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A	
4)		ontent addressed is current, relevant and non- vial	☐ Strong ☑ Moderate ☐ Little ☐ N/A	
5)	Pro	ovides opportunities for critical thinking/reasoning	Strong	
6)	•	rengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered expecific weaknesses-which areas/concepts would likely		
In reference to the Energy Transformation, the content is very strong in all areas, but it is spread throughout each of the different kits, which may require a school to purchase the kits for all grade levels. In reference to Motion and Forces, this kit may make it more difficult to follow district pacing guides and preparing students for district level learning checks. Each of the kits is designed for a classroom of 32 students, so you will need to purchase more consumables to meet the needs of the students. A limited explanation of the content is provided to the teachers in several of the kits, which may require teachers to seek information on their own with regards to student or teacher misconceptions. The Human and Brain Module do not meet any of the standards identified by the Program of Studies. The modules do not provide neither teachers nor students with foundational information and will require teachers to develop mini-units that provide students with concrete or factual information for a greater level of understanding.				
1 3 5 1 1	it is puromak distuction of the stuction of the stuction of the neit of the stuction of the st	spread throughout each of the different kits, which chase the kits for all grade levels. In reference to ke it more difficult to follow district pacing guides rict level learning checks. Each of the kits is designents, so you will need to purchase more consumpted to the content is providents. A limited explanation of the content is provident, which may require teachers to seek information or teacher misconceptions. The Human and standards identified by the Program of Studies. The teachers nor students with foundational inforted evelop mini-units that provide students with conditional inforted.	ich may require a school to Motion and Forces, this kit may and preparing students for gned for a classroom of 32 hables to meet the needs of the wided to the teachers in several of ation on their own with regards to Brain Module do not meet any of The modules do not provide mation and will require teachers	
	it is purce maked is the stuce the stuce the neit to design and the stuce th	spread throughout each of the different kits, which chase the kits for all grade levels. In reference to ke it more difficult to follow district pacing guides rict level learning checks. Each of the kits is designents, so you will need to purchase more consumpted to the content is providents. A limited explanation of the content is provident, which may require teachers to seek information or teacher misconceptions. The Human and standards identified by the Program of Studies. The teachers nor students with foundational inforted evelop mini-units that provide students with conditional inforted.	ich may require a school to Motion and Forces, this kit may and preparing students for gned for a classroom of 32 hables to meet the needs of the wided to the teachers in several of ation on their own with regards to Brain Module do not meet any of The modules do not provide mation and will require teachers	
B.	it is purce maked it is purce maked it is stuce the meit to degree Fur	spread throughout each of the different kits, which chase the kits for all grade levels. In reference to ke it more difficult to follow district pacing guides rict level learning checks. Each of the kits is designents, so you will need to purchase more consumptents. A limited explanation of the content is providents, which may require teachers to seek information or teacher misconceptions. The Human and standards identified by the Program of Studies. The teachers nor students with foundational inford develop mini-units that provide students with contacter level of understanding.	ich may require a school to Motion and Forces, this kit may and preparing students for gned for a classroom of 32 hables to meet the needs of the vided to the teachers in several of ation on their own with regards to Brain Module do not meet any of The modules do not provide mation and will require teachers crete or factual information for a Strong Evidence Moderate Evidence	
B.	it is purce maked it is purce maked it is stuce the meit to degree Fur	spread throughout each of the different kits, which chase the kits for all grade levels. In reference to ke it more difficult to follow district pacing guides rict level learning checks. Each of the kits is designents, so you will need to purchase more consumpted to the content is providents. A limited explanation of the content is provident, which may require teachers to seek information or teacher misconceptions. The Human and standards identified by the Program of Studies. The teachers nor students with foundational information develop mini-units that provide students with contacter level of understanding.	ich may require a school to Motion and Forces, this kit may and preparing students for gned for a classroom of 32 hables to meet the needs of the vided to the teachers in several of ation on their own with regards to Brain Module do not meet any of The modules do not provide mation and will require teachers crete or factual information for a Strong Evidence Moderate Evidence Little or No Evidence Strong Moderate Little N/A d is free of bias regarding race, age,	

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community

3)	Connections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little
	 Employs a variety of reading levels and is grade/level appropriate Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and reinforcing at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossa Engaging text- does the text facilitate learning? Does understanding the text require having performed the imbedde 	ury
4)	Connections to Technology	Strong ☐ Moderate ☐ Little
	 Integrates technology and reflects the impact of technological adva Uses technology in the collection and/or manipulation of authentic of 	
5)	Support for Diverse Learners	☐ Strong ☑ Moderate ☐ Little
	 Provides support for ESL students Provides support for differentiation of instruction in diverse classrook Note: may apply only to teacher edition 	oms
c١	Strongtha Washnessas Comments	

6) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The resource does a great job of having students activate their knowledge of the scientific process, which includes analyzing the data and drawing conclusions. Although it is free from factual errors, the teacher may find him/herself supplementing each module with basic facts about the content. The reading activities are written in a non-traditional format--they appear to be more like newsletter articles and the titles are fascinating. The focus on literacy in the content areas does not seem to be a priority, with the lack of pre, during, and post reading activities. These module promote a mostly inquiry and activity based type of instruction, which limits the impact of instruction on reading in the content area. With respect to diverse learners, this program allows for students to develop personal experiences with science by way of performing the activities and attempts to include some titles that are written in spansih, but does not make any instructional changes to the text or lessons that impact the quality of instruction for diverse learners.

impact the quality of instruction for diverse learner	S
C. Supports Inquiry and Skill Development	Strong Evidence

	Moderate Evidence Little or No Evidence			
1) Promotes Inquiry, research and Application of Learning	Strong ☐ Moderate ☐ Little			
 Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions. Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.) Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite an motivate students to engage in discussion, problem solving, and other high-order thinking skills. Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning. Note: may apply to either teacher or student edition 				
2) Skill Development				
 Provides opportunities to make sense of data Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias) Provides opportunities to examine a range of types of evidence Contains embedded activities (or extensions) that emphasize use of technology for problem solving Note: may apply to either teacher or student edition Strengths, Weaknesses, Comments: 				
These modules really guide students through the scientific method and the inquiry baseed learning process. It provides them with the resources that may eventually lead to critical thinking and reading, but the teacher will be responsible for designing critical thinking questions, as well as the constructing essential questions that can be used to guide students through the learning process. The project is perfect for providing students with opportunities to read a variety of charts and graphs, analyzing the data, drawing conclusions, synthesizing information, and even designing their own experiments. Once again, these programs do not help teachers deepen the level of learning or understanding.				
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence			
1) Engages Students	☐ Strong ☑ Moderate ☐ Little			

• Includes content geared to the needs, interests, and abilities of students

- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

- ☐ Strong ☐ Moderate ☐ Little
- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

This module does an excellent job at engaging and motivating students. It provides students with the opportunity to experience concepts in a real-life meaningful way. It uses a limited number of learning strategies to reinforce learning for all students. There are some assessments at the end of each module, which are accompanied by scoring guides. These assessments are not KCCT like.

E.	Has an Organization/ Format that Supports Learning and Teaching	Strong EvidenceModerate EvidenceLittle or No Evidence
1) Organizational Quality	Strong

- Print and/or electronic materials present minimal barriers to learners
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

• Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text) ☐ Strong ☑ Moderate ☐ Little

Items identified as essential components support the learning goals and concept coverage of the

basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The resources that accompanies the program modules do not aid pupuils and teachers in using the book effectively. Teachers will have to construct a foundation for the program, while students will need to come to class with science pre-requisites or other foundational science experiences that will help them be successful.

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

It was unclear from the bid form and the manner of packaging what was intended as ancillary. Nothing was reported on the free with purchase form. Therefore, no comments will be made in reference to ancillary/gratis materials.